

Notice of Allowability

Application No.

10/611,752

Examiner

William P. Fletcher III

Applicant(s)

COHU, OLIVIER

Art Unit

1762

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to applicant's proposed amendment after-final filed September 5, 2006.
2. ☒ The allowed claim(s) is/are 1-7 and 16.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date 09/06/2006.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

see attached

DETAILED ACTION

Response to Amendment

1. Receipt is acknowledged of applicant's proposed amendment after-final filed September 5, 2006. This amendment, in conjunction with the examiner's amendment set forth below, places the application in condition for allowance; the amendment has been entered.
2. Claims 1-7 and 16 are now pending.

EXAMINER'S AMENDMENT

3. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Dara L. Onofrio (Reg. No. 34,889) on September 6, 2006 (see attached interview summary form).

The application has been amended as follows:

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Claim 1 (currently amended) A method for coating a moving web with a coating solution containing: one or more nanocrystalline, nanoporous inorganic compounds selected from the group consisting of transition metal oxides, transition metal chalcogenides, and their Li inclusion complexes, wherein the nanocrystalline, nanoporous inorganic compound is TiO_2 , Ti_2O_3 , Nb_2O_5 , WO_3 , HfO_2 , TiS_2 , WS_2 , TiSe_2 , Fe_2O_3 , Fe_3O_4 , RuO_2 , RuS_2 , MoS_2 , WS_2 , IrO_2 , CeO_2 , InO_2 , TaO_2 , ZnO , SnO_2 , BaTiO_3 , SrTiO_3 , indium-tin-oxide, LiMn_2O_4 , LiNiO_2 , LiCoO_2 , or $\text{Li}(\text{NiCo})\text{O}_2$; and one or more binders in an amount from 0.5% to 30% by weight of the nanocrystalline, nanoporous inorganic compounds,

wherein an auxiliary coating solution is applied together with said coating solution to the web, [[and]]

wherein said auxiliary coating solution contains at least one gelation-promoting ingredient which promotes gelation of the coating solution containing the nanocrystalline, nanoporous inorganic compounds, and

wherein the [[main]] coating solution containing the nanocrystalline, nanoporous inorganic compounds forms the electrically conductive layer of an electrically active film.

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Claim 16 (currently amended) A method according to claim 1, ~~for coating a moving web with a coating solution containing one or more nanocrystalline, nanoporous inorganic compounds selected from the group consisting of $\text{TiO}_{2\text{f}}$, $\text{Ti}_2\text{O}_3\text{f}$, $\text{Nb}_2\text{O}_5\text{f}$, WO_3f , $\text{V}_2\text{O}_5\text{f}$, MoO_3f , $\text{MnO}_{2\text{f}}$, HfO_2f , $\text{TiS}_{2\text{f}}$, WS_2f , $\text{TiSe}_{2\text{f}}$, $\text{Fe}_2\text{O}_3\text{f}$, $\text{Fe}_3\text{O}_4\text{f}$, $\text{RuO}_{2\text{f}}$, $\text{RuS}_{2\text{f}}$, $\text{MoS}_{2\text{f}}$, $\text{WS}_{2\text{f}}$, $\text{IrO}_{2\text{f}}$, $\text{CeO}_{2\text{f}}$, $\text{InO}_{2\text{f}}$, $\text{TaO}_{2\text{f}}$, $\text{ZnO}_{2\text{f}}$, $\text{SnO}_{2\text{f}}$, BaTiO_3f , SrTiO_3f , indium tin oxide, $\text{LiMn}_2\text{O}_4\text{f}$, LiNiO_2f , LiCoO_2f , or $\text{Li}(\text{NiCo})\text{O}_{2\text{f}}$~~ ; wherein the nanocrystalline, nanoporous inorganic compounds have specific surface areas between 10 m^2/g and 400 m^2/g ; and one or more binders in an amount of from 0.5% to 30% by weight of the nanocrystalline, nanoporous inorganic compounds, wherein an auxiliary coating solution is applied together with said coating solution to the web and where said auxiliary coating solution contains at least one gelation promoting ingredient which promotes the gelation of the coating solution containing the nanocrystalline, nanoporous inorganic compounds.

Allowable Subject Matter

4. Claims 1-7 and 16 are allowed.
5. The following is an examiner's statement of reasons for allowance: The reasons for allowance remain the same as set forth under this heading in prior Office actions.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to William P. Fletcher III whose telephone number is (571) 272-1419. The examiner can normally be reached on Monday through Friday, 0900h-1700h.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Timothy H. Meeks can be reached on (571) 272-1423. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



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Patent Examiner (FSA), USPTO
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Fredericksburg, VA
September 8, 2006